

SEQUENCE LISTING

<110> Allen, Keith D.

<120> TRANSGENIC MICE CONTAINING NTTPl
PHOSPHATASE GENE DISRUPTIONS

<130> R-690

<150> US 60/251,802

<151> 2000-12-06

<160> 3

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 2453

<212> DNA

<213> Mus musculus

<400> 1

```

gccaggtctg gcaccatgca ctaggatacc cagaacgctg caaggccacg ccctcctcac 60
ttcaggggtc actctcccca ttgcccacca ccccaccatg gctggggatc ggctcccgag 120
gaaggtgatg gacgcaaaga aactggccag cctgctgctg ggcgggcctg ggggaccctt 180
ggtcatcgac agccggctct tcgtggagta taacagctgc cacgtgctga gctctgtgaa 240
tatctgctgt tcaaagctgg tgaagcggtg ccttcagcag ggaaaagtga caattgctga 300
gcttatccag cctgctacac ggagccaggt ggatgccaca gaaccacagg atgtagtggt 360
gtatgaccag agcacacgag atgccagcgt gctggcagca gacagcttcc tgtccatcct 420
gctcagcaag ctggacgggt gcttcgacag tgtggccatc ctcacaggag gcttcgccac 480
cttctctctc tgcctccctg gcctctgtga gggcaagcct gccactctac cgtccatgag 540
cctctctcag ccctgcctgc ctgtgcccag tggtggcctg acccgaatcc tgcctcacct 600
ctacctgggc tctcagaaag atgtcttgaa caaggatctg atgacccaaa acggaataag 660
ctatgtcttc aatgccagca actcctgccc taaaccggac ttcattctgt agagccgttt 720
catgcgtatc cccatcaatg acaactactg tgaagagctg ctgccctggc tggacaagtc 780
catcgagttt attgataaag ccaagctgtc cagctgccaa gtcattgttc actgtctggc 840
tggcatctct cgtcttgcca ccattgccat cgcgtacatc atgaaaacca tgggcatgtc 900
ttctgacgac gcatacaggt ttgtgaagga tcggcgcccc tccatctcgc ccaacttcaa 960
cttctggtgc cagttgtctg agtatgagag gactctgaag ctgctggctg ccctgcagac 1020
tgatggacct cacttgggga cccctgagcc cctcatgggc ccggcagcag gcatcccaact 1080
gccccggctg ccaccatcta cctcagagag cgctgccact gggagcgagg cagccaccgc 1140
agccagggag ggcagcccaa gtgctggagg ggatgctccg atccccagca cagctccagc 1200
caccagcgcg ctgcagcagg gcctgcgtgg cctgcacctc tctctgacc gcctccagga 1260
caccaaccgc ctcaagcgtt ccttttccct ggacatcaag tcggcctatg caccagcag 1320
gaggcccgac ttccccggcc caccgaccc cgggaagcc ccgaagctct gcaagctgga 1380
cagcccgctc gggggcacac tgggcctgcc ctgcaccagc ccagacagcc cggactccgt 1440
tccagagtgc cgcaccagac cccgccggcg acgcccccg gctagtctgc ctgcccgtc 1500
ccccgcgat ggtctgggccc tgaactttgg agacacggcc cggcagactc cacggcacgg 1560
cctctcgccc ctgtcgggcg ccgggctgcc tggccctggc cagccggctg gccccggggg 1620
ctgggtgccc ccaactggact ccccaggcac accgtcgccc gacggccctt ggtgcttcag 1680
ccccgagggc ggcaggggtc caggcgctgt gttctccgcc tttggccggg taagtgcagg 1740
cgcacctgga cccggttaaca gcagcagcag cgggtggtgg ggtggtggtg gtggcgggcg 1800
cggcgggcggc ggcggcgggc gcggcagcag cagcagcaac agcagcagca gcagcagcag 1860
cagcagcagc agcagcagca gtagtagtag tagtagtgac ctgcggaggc gggatgtgctg 1920
gaccggctgg cccgaggagc ctgctgcaga tgcacagttc aagaggcgca gctgccagat 1980
ggagtctgaa gagggcatgg tggagggggc ggcacgtggc gaggaagctg cagccctggg 2040
caagcaaacc agcttctctg gcagcgtgga ggtcatcgaa gtatcgtgac ccttcagaag 2100
tccctgtgcc cttgctccag ccaggccagg tataaatata tattatatat aaaacacaca 2160
gaaaaggtaa atggttttac tgcaattttt atcaagaagt aaatatttcg attttttatt 2220

```

tatttaagct agtgatctgg caactgtgcg gggcgggccct aaagctctgt ttttactgtc 2280
 tgggtatttaa actgaaacag gtttctaagc aatatgaggc caccttcaat cccaaactgg 2340
 gttgacaggc ctggggccct ccttgccctt cccctctgga aacattactg acctttcaaa 2400
 gagctgcca gctttcctgc actttttaca taagaaaaaa gggggggggg gaa 2453

<210> 2
 <211> 200
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Targeting Vector

<400> 2
 tcctgggagc cagctatagc taccagatc ccaccatctg ctgactattc acctttcccc 60
 caggctctggc accatgcact aggataccca gaacgctgca aggccacgcc ctctcactt 120
 caggggtcac tctccccatt gccaccacc ccaccatggc tggggatcgg ctcccagagga 180
 aggtgatgga cgcaaagaaa 200

<210> 3
 <211> 200
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Targeting Vector

<400> 3
 atccagcctg ctacacgaag ccagggtacct gtggcccacc cttgcatgcg tcttcagggc 60
 tgaccattcc tgagcaaaca gacctatgtc acctctgaaa gagacagagg agctcccagg 120
 cctggtgcca agagtcctct gataaggcat ttccccctcg ctgtccctcc gttccaaaca 180
 gggttccttg gggtcagagc 200